ABSTRACT

The present invention features a robust customizable computing system

comprising: a processing control unit; an external object; and means for operably

connecting the processing control unit to the external object, the processing control unit

5 introducing intelligence into the external object, thus causing the external object to

perform smart functions. The processing control unit preferably comprises: (a) an

encasement module comprising a main support chassis having a plurality of wall supports

and a plurality of junction centers containing means for supporting a computer

component therein, a dynamic back plane that provides support for connecting peripheral

10 and other computing components directly to a system bus without requiring an interface,

means for enclosing the main support chassis and providing access to an interior portion

of the encasement module; (b) one or more computer processing components disposed

within the junction centers of the encasement module; and (c) means for cooling the

interior portion of the encasement module.

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